WHAT IS CLAIMED:

1. A compound of Formula I:

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wherein

A is selected from:

(a) hydrogen;

(b) $-(C=O)-O-R_1$, where R_1 is selected from:

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- 1. hydrogen,
- 2. C₁-C₆ alkyl,
- 3. C₃-C₁₂ cycloalkyl,
- 4. substituted C₃-C₁₂ cycloalkyl,
- 5. aryl,

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- 6. substituted aryl,
- 7. heteroaryl,
- 8. substituted heteroaryl,
- 9. heterocycloalkyl,
- 10. substituted heterocycloalkyl, or

- 11.-C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- (c) $-(C=O)-R_2$, where R_2 is selected from:

- 1. $-R_1$, where R_1 is as previously defined,
- 2. alkylamino,
- 3. dialkyl amino,
- 4. arylamino, or

- 5. diarylamino;
- (d) $-C(=O)-NH-R_2$, where R_2 is as previously defined;
- (e) $-C(=S)-NH-R_2$, where R_2 is as previously defined;
- (f) $-S(O)_2-R_2$, where R_2 is as previously defined;

B is hydrogen or C₁–C₆ alkyl;

10 G is

- (a) -OH;
- (b) $-O-(C_1-C_{12} \text{ alkyl})$;
- (c) –NH–R₂, where R₂ is as previously defined;
- (d) $-NHS(O)_2-R_1$, where R_1 as previously defined;

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- (e) $-(C=O)-R_2$, where R_2 as previously defined;
- (f) $-(C=O)-O-R_1$, where R_1 as previously defined; or
- (g) -(C=O)-NH-R₂, where R₂ as previously defined;

M is absent or selected from:

(a) -O-;

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- (b) -S-;
- (c) -NH-; or
- (d) $-NR_1$ -, wherein R_1 is previously defined;

Q is selected from:

(a) aryl;

- (b) substituted aryl;
- (c) heteroaryl;
- (d) substituted heteroaryl;
- (e) heterocycloalkyl; or
- (f) substituted heterocycloalkyl;
- 30 j = 0, 1, 2, 3, or 4;

n = 0, 1, or 2; ands = 0, 1, or 2.



- 2. A compound of formula I, wherein M is absent and Q is wherein X and Y are each independently selected from:
 - a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
 - b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
 - c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
 - d) aryl;
 - e) substituted aryl;
 - f) heteroaryl;
 - g) substituted heteroaryl;
 - h) heterocycloalkyl; or
 - i) substituted heterocycloalkyl;

or in the alternative, X and Y are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

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- 3. A compound of formula I, wherein M is absent and Q is wherein Y is selected from:
 - a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heteroaryl, or substituted heterocycloalkyl;
 - b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
 - c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

d) aryl;

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- e) substituted aryl;
- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or
- i) substituted heterocycloalkyl;



- 4. A compound of formula I, wherein M is absent and Q is wherein X, Y, and Z are each independently selected from:
- a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

- b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- d) aryl;
- e) substituted aryl;

- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or
- i) substituted heterocycloalkyl;
- or in the alternative, X and Y or Y and Z are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

- 20 5. A compound of formula I, wherein M is absent and Q is wherein W, X, Y, and Z are each independently selected from:
 - a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
 - b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

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- d) aryl;
- e) substituted aryl;
- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or

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- i) substituted heterocycloalkyl;
- or in the alternative, W and X, X and Y, or Y and Z are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

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6. A compound of formula I, wherein M is absent and Q is wherein X, Y, and Z are each independently selected from:

- a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heteroaryl, heteroaryl, or substituted heterocycloalkyl;
- b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
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c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

- d) aryl;
- e) substituted aryl;
- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or
- i) substituted heterocycloalkyl;

or in the alternative, Y and Z are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

7. A compound of formula I, wherein M is -O- and Q is wherein

L is M, where M is as previously defined;

X, Y, and Z are each independently selected from:

- a) $-C_1-C_6$ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heteroaryl, heteroaryl, or substituted heterocycloalkyl;
- b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- d) aryl;

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- e) substituted aryl;
- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or
- i) substituted heterocycloalkyl;

or in the alternative, X and Y are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

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8. A compound of formula I, wherein M is -O- and Q is

wherein

L is M, where M is as previously defined;

X, Y, and Z are each independently selected from:

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a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

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 b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;

- c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- d) aryl;
- e) substituted aryl;
- f) heteroaryl;

- g) substituted heteroaryl;
- h) heterocycloalkyl; or
- substituted heterocycloalkyl;

or in the alternative, X and Y are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl; or

9. A compound of formula I, wherein M is -O- and Q is

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L is M, where M is as previously defined;

X, Y, and Z are each independently selected from:

- a) -C₁-C₆ alkyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- b) -C₂-C₆ alkenyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- c) -C₂-C₆ alkynyl containing 0, 1, 2, or 3 heteroatoms selected from O, S, or N, optionally substituted with one or more substituent selected from halogen, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl;
- d) aryl;
- e) substituted aryl;
- f) heteroaryl;
- g) substituted heteroaryl;
- h) heterocycloalkyl; or

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i) substituted heterocycloalkyl;

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- or in the alternative, X and Y are taken together with the carbons to which they are attached to for a cyclic moiety selected from: aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycloalkyl, or substituted heterocycloalkyl.
- 10. A compound according to claim 1 represented by formula I selected from:

 Compound of formula I, wherein A = Boc, B = hydrogen, G = OEt, M = -O-, Q =

hydrogen, and j = n = s = 1;

Compound of formula I, wherein A = Boc, B = hydrogen, G = OEt, M = -O-, Q = $-S(O)_2CH_3$, and j = n = s = 1;

- Compound of formula I, wherein A = Boc, B = hydrogen, G = OEt, M = -O-, Q = 2thiophenyl-quinolin-4-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 2-thiophenyl-quinolin-4-yl, and j = n = s = 1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OEt, M is absent, Q = 4,5-diphenyltriazol-2-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 4,5-di-thiophenyltriazol-2-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 4-(thiophen-3-yl)-5-(p-methoxyphenyl)triazol-2-yl, and j = n = s = 1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 4-(n-butyl)-5-phenyltriazol-2-yl, and j = n = s = 1;

- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 5-(3-methoxyphenyl)tetrazol-2-yl, and j = n = s = 1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 5-(4-pyridyl)tetrazol-2-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 5-(3,4-dichlorophenyl)tetrazol-2-yl, and j = n = s = 1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M is absent, Q = 5-(3-bromo-4-methoxy-phenyl)tetrazol-2-yl, and j = n = s = 1;
 - Compound of formula I, wherein $A=Boc,\,B=hydrogen,\,G=OH,\,M$ is absent, $Q=4-(4-fluoro-phenyl)-6-phenyl-1H-pyridazin-3-on-2-yl,\,and <math>j=n=s=1;$
 - Compound of formula I, wherein A=Boc, B=hydrogen, G=OH, M is absent, Q=6-phenyl-5-piperidin-1-yl-1H-pyridazin-3-on-2-yl, and j=n=s=1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7-20 Methoxy-2-phenyl-quinolin-4-yl, and j = n = s = 1;
 - Compound of formula I, wherein A=Boc, B=hydrogen, G=OH, M=-O-, Q=7-Methoxy-2-thiazolyl-quinolin-4-yl, and <math>j=n=s=1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7- Methoxy-2-thiophenyl-quinolin-4-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7- Methoxy-3-(thiophen-2-yl)-1H-quinoxalin-2-yl, and j = n = s = 1;

- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7- Methoxy-3-[2-(thiophen-2-yl)vinyl]-1H-quinoxalin-2-yl, and j = n = s = 1;
 - Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 6- Methoxy-3-[2-(thiophen-2-yl)vinyl]-1H-quinoxalin-2-yl, and j = n = s = 1;
- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7- Methoxy-3-[2-(pyridin-2-yl)vinyl]-1H-quinoxalin-2-yl, and j = n = s = 1; or

- Compound of formula I, wherein A = Boc, B = hydrogen, G = OH, M = -O-, Q = 7- methoxy-3-[2-(pyridin -2-yl)vinyl]-1H-quinoxalin-2-yl, and j = n = s = 1.
- 11. A pharmaceutical composition comprising an anti-hepatitis C virally effective amount of a compound according to claim 1, or a pharmaceutically acceptable salt, ester, or prodrug thereof, in combination with a pharmaceutically acceptable carrier or excipient.
 - 12. A method of treating a hepatitis C viral infection in a mammal, comprising administering to the mammal an anti-hepatitis C virally effective amount of a pharmaceutical composition according to claim 11.
- 13. A method of inhibiting the replication of hepatitis C virus, the method comprising supplying a hepatitis C viral NS3 protease inhibitory amount of the pharmaceutical composition of claim 11.
- 14. The method of claim 13 further comprising administering concurrently an additional30 anti-hepatitis C virus agent.

- 15. The method of claim 14, wherein said additional anti-hepatitis C virus agent is selected from the group consisting of: α -interferon, β -interferon, ribavarin, and adamantine.
- 16. The method of claim 14, wherein said additional anti-hepatitis C virus agent is an inhibitor of another target in the hepatitis C virus life cycle, which is selected from the group consisting of: helicase, polymerase, metalloprotease, and IRES.
 - 17. A process of making compounds of formula I:

wherein A, B, G, M, Q, j, n, and s are as defined in claim 1, comprising the steps of:

(a) ro

(a) reacting a compound of formula (A):

and i is as defined in claim 1 with a hydroxyproline ethyl ester derivative of

formula ($\underline{\mathbf{B}}$): in the presence of a base to form a compound of formula ($\underline{\mathbf{C}}$):

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wherein A, B, and j are as defined in claim 1 and T is selected from OH, OMe, or OEt;

(b) reacting a compound of formula B with a compound of formula (D):

, wherein G is as defined in claim 1, under standard amide

formation conditions to form a compound of formula ($\underline{\mathbf{E}}$):

, wherein A, B, G, M, Q, and j are as defined in claim

1; and

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(c) reacting compound of formula E with a Ruthenium-based catalyst.